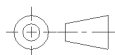
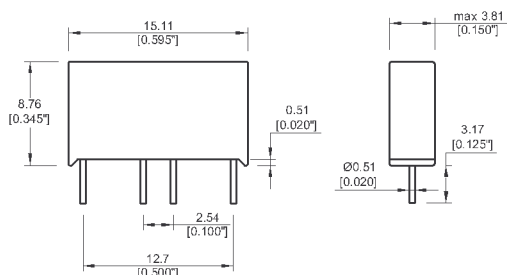


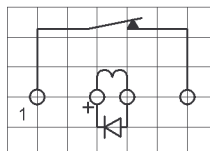
DIMENSIONS (mm)

Unspecified Tolerances +/- 0.127mm



LAYOUT 78D

Pitch 2.54mm [0.100"] / Top View



MARKING

Top View

 MEDER ww/yy
 1 MS05-1B87-78D

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		252	280	308	Ohm
Coil voltage			5		VDC
Rated power			89		mW
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,5			VDC

Contact data 87	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			200	V
Switching current	DC or Peak AC			0,4	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100V - to all points	1			TOhm
Breakdown voltage	according to EN 60255-5	0,23			kV DC
Operate time incl. bounce	measured with 40% overdrive			0,6	ms
Release time	measured with no coil excitation			0,1	ms
Capacitance	@ 10 kHz across open switch		0,2		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts			1		
Contact - form			B - NC		
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Connection pins			FeNi-alloy tin plated		
Magnetic Shield			Internal mu-metal shield		
Reach / RoHS conformity			yes		
Approval			UL File No. NRNT2.E156887		
Approval			UL File No. NRNT8.E156887		
Remark			minimum distance between relays > 7 mm		



*Products for
Homomax...*

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Item No.:

4205087178

Item:

MS05-1B87-78D

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 22.02.09 Designed by: KMUELLER

Approval at: 23.02.09 Approval by: KOLBRICH

Last Change at: 09.02.12 Last Change by: CRUF

Approval at: 09.02.12 Approval by: CRUF

Version: 04